Listing of Claims

1. (Previously Presented) A method of selecting a transmission antenna in a packet transmission system having multiple antennas, comprising:

transmitting a first data block through a first one of a plurality of sequentially selected antennas;

transmitting a second data block through a second one of the plurality of antennas;

receiving a first signal indicating that an error occurred during transmission or reception of the first data block, the first error signal received after transmission of the second data block;

interrupting sequential selection of the plurality of antennas to select the second one of the plurality of antennas in response to the first error signal;

retransmitting the first data block only through the second one of the plurality of antennas, wherein the first data block is retransmitted in consecutive sequence with the second data block transmitted by the second one of the plurality of antennas, said interruption of sequential selection of the plurality of antennas preventing the first data block from being retransmitted through the first one of the plurality of antennas;

resuming sequential selection of the plurality of antennas, after the first data block is retransmitted through the second one of the plurality of antennas, said resuming including transmitting a third data block through the first one of the plurality of antennas and thereafter a fourth data block through the second one of the plurality of antennas after acknowledgment signals are respectively received for the third and fourth data blocks; and

transmitting additional data blocks through the sequentially selected antennas,

wherein transmission and retransmission of the data block occurs through a mobile communication system, and wherein an open loop transmit diversity technique is used to transmit data in the mobile communication system and the open loop transmit diversity technique is a TSTD (time switched transmit diversity) technique.

2. (Previously Presented) The method of claim 1, wherein the first error signal indicates whether a receiver correctly received the first data block transmitted through the first one of the plurality of antennas.

3. (Canceled)

4. (Previously Presented) The method of claim 1, wherein the first error signal is a non-acknowledgment signal transmitted from a receiver.

5-10 (Canceled)

11. (Previously Presented) The method of claim 1, wherein transmission and retransmission of the data block are downlink transmissions.

12-14 (Canceled)

15. (Previously Presented) The method of claim 1, wherein the first error signal is received based on an ARQ (automatic repeat request) from a receiver.

16-29 (Canceled)